

## **Claims**

### **What is claimed is:**

1. A planar inverted F antenna (PIFA), which the antenna portion is allocated on a quality conductive metal element within the electronic unit, furthermore, the antenna portion and the metal element are incorporated into a single component.
2. The planar inverted F antenna as set forth in claim 1, the metal element is a rigid metal plate structure, the antenna portion being formed on any side of the metal plate while incorporated as a whole.
3. The planar inverted F antenna as set forth in claim 1, the metal element is a rigid metal frame, the antenna portion being formed on any side of the metal frame while incorporated as a whole.
4. The planar inverted F antenna as set forth in claim 1, the antenna portion is a planar inverted F antenna.
5. The planar inverted F antenna as set forth in claim 1, the electronic unit is a desktop PC.
6. The planar inverted F antenna as set forth in claim 1, the electronic unit is a notebook.
7. The planar inverted F antenna as set forth in claim 1, the electronic unit is a tablet PC.
8. The planar inverted F antenna as set forth in claim 1, the electronic unit is a PDA (Personal Digital Assistant).